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FRONT VIEW

REAR VIEW

AC Power Delay Switch

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Part # 5100812

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1. Specifications

Connectors: IEC 320-C14 AC INPUT CONECTOR
IEC 320-C13 AC OUTPUT CONNECTOR

Switched AC Output: 10 A, 250 VAC (resistive load)
Max. switching power: 2500 VA (resistive load)

AC Input Cord (supplied): 6 ft. 18 AWG (NEMA 5-15P Plug to IEC 320-C13 Socket)
Rated: 10 A, 125 VAC

AC Output Cord (supplied): 1 ft. 16 AWG (IEC 320-C14 Plug to NEMA 5-15R Socket)
Rated: 13 A, 125 VAC

Delay: 67 +/- 10% Seconds from Input Active to Output Active

Indicators: (1) Green LED for POWER status, (1) Red LED for output ACTIVE status

Temperature: 32 to 104ºF (0 to +40ºC) - operating,
-4 to 158ºF (-20 to +70ºC) - storage

Relative Humidity: 10% to 95%, non-condensing

Power: Powered from AC Input
Input Voltage Range 90 to 264 VAC
Input Frequency Range: 50 to 60 Hz
Typical Load 1 Watt

Size: 5.5”D x 5.1”W x 1.5”H

Weight: 1.5 lb

2. Introduction

The AC Power Delay Switch provides a minimum of 60 seconds (67 seconds typical) between the time AC power is applied at the input connector to the time AC power is provided at the output connector. The AC Power Delay Switch is designed for operation with the SecureSwitch® products, to provide a convenient means of extending the power OFF delay time. Whenever the SecureSwitch® product changes connection states, its AC OUT is disconnected for 15 seconds to allow the attached CODEC to be powered OFF to clear its volatile memory. The AC Power Delay Switch extends this OFF time by an additional 60+ seconds.

3. Installation

Simply connect the AC Power Delay Switch between the SecureSwitch® product switched AC Outlet and the CODEC or other device to be power cycled. The AC Power Delay Switch will extend the AC Outlet OFF time from 15 seconds (SecureSwitch® product alone) to 82 seconds (SecureSwitch® product AC Outlet delay plus AC Power Delay Switch’s delay).

The AC Power Delay Switch relies on the external circuit breakers contained in the SecureSwitch® product. If the AC Power Delay Switch is used without the SecureSwitch® product the user must provide the appropriate 10 Amp circuit breakers.

4. Operation

The AC Power Delay Switch uses Non-Latching Power Relays to control power to the AC output connector. When AC power is applied to the input connector, an internal power supply powers up a time delay circuit and illuminates the green POWER LED. After the time delay has expired, the time delay circuit energizes the red ACTIVE LED and the output power relays which allow power to flow to the AC output connector. Note that when AC input power is lost, the internal power supply can continue to power

the time delay circuit for up to 4 seconds (up to 2 seconds if the Power Relays are energized). If AC input power is restored before the time delay circuit is powered down, the time delay circuit will not reset, and will instead continue to count down as though power was not interrupted. For example, if the Power Relays are energized, and the AC input power is interrupted for a short time, say 1 second or less, the load on the AC output connector will only be interrupted for the same short time. However, if the Power Relays are energized, and the AC input power is interrupted for 5 seconds, the time delay circuit would be reset, and the load on the AC output connector would be interrupted for 5 seconds, plus the time delay, which is a minimum of 60 seconds (67 seconds typical).

5. Troubleshooting

The AC Power Delay Switch draws power from the AC input connector. If the green POWER LED does not illuminate, check that the input is connected to a live AC source.

If the AC output does not follow the operation of the red ACTIVE LED, the AC power relays may have failed. If this is the case, stop using the unit immediately. The AC power relays are rated for 10 Amps at 250 VAC for resistive loads. The relay contacts have lower ratings for inductive loads.

If the AC Power Relay Switch is malfunctioning, do not attempt to alter or repair the unit.

Contact Market Central, Inc. at (412) 494-2800

Before you do, make a record of the history of the problem. We will be able to provide more efficient and accurate assistance if you have a complete description of the problem, including:

- the nature and duration of the problem.
- when the problem occurs.
- the components involved in the problem.
- any particular applications that, when used, appears to create the problem or make it worse.

MARKET CENTRAL, INC.

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